

Effect of Ultrasonics Upon Carbohydrates, by
M. A. Khanchin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. YOMY, N. 4
1954, pp 5/1-5/4.

ONS 60-21125
FL 400

Sci-Chem

Aug 60

123,738

(FDD 25801)

The Dynamics of Translimitary Inhibition During
Gradual Increase in the Strength of the Condition-
ed Stimulator, by A. I. Schastniy, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVII, No 5, Moscow, 1954, pp 873-875.

USSR

Sci - Biology, biochemistry

Medicine, neurophysics CTS 73 Oct 55

29,082 CIA/FDD/U-7423

62-32359

Grinfel'd, E. G.
NUTRITION OF PLANTS WITH CO₂ ASSIMILATED
THROUGH THE ROOTS. (K Voprosu o Pitanii Rastenii
Uglekislotoi Cherez Kornii) tr. by J. Hardy. [1962] [12]p.
(foreign text included) 7 refs. [CSIRO] Trans. no. 5881.
Order from OTS or SLA \$1.60 62-32359

Trans. of Akad[emiya] Nauk SSSR. Doklady 1954,
v. 97, no. 5, p. 919-922.

DESCRIPTORS: *Plants, *Carbon dioxide, Fertilizers,
*Ammonium radicals, *Carbonates, Absorption,
Nutrition.

(Agriculture--Plant Cultivation, TT, v. 9, no. 6)

I. Grinfel'd, E. G.
II. CSIRO Trans-5881
III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Tribunskaya, A. Ya.
ADSORPTION OF NITROGEN AND PHOSPHORUS BY
PINE SEEDLINGS ON GRAY FOREST SOILS (Vynosy
Azota i Fosfora Seyantsami Sosny na Serykh Lesnykh
Pochvakh). 1963, 6p. 5 refs. PL-480 Agr.
Order from OTS \$0.50

63-11013

Trans. of Akademiya Nauk SSSR. (Doklady), 1954, v. 97,
no. 5 [p. 927-930].

921259
DESCRIPTORS: *Absorption, Nitrogen, Phosphorus,
*Pine, Plants (Botany), *Soils, Forestry, Trees.

A study was made of the nitrogen and phosphorus content
in pine seedlings grown under different regimes of
nourishment and water supply during their first year
of life. Some data were obtained also for the plants
in their second year of life, both for sown nursery
plants and for natural seedlings, which were culti-
vated under forest conditions. (Author)
(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-11013

- I. Tribunskaya, A. Ya.
- II. PL-480 Agr (63-11013)
- III. National Science Foun-
dation, Washington, D. C.

Office of Technical Services

On the Theory of Univalent Functions, by
B. N. Rahmanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII,
1954, pp 973-976.

Amer Math Soc

Sci-Math

Jan 64

246,441

The Mechanism of the Cathodic Passivation of Lead
Dioxide Electrodes, by E. Kabanov, E. Leikin,
E. I. Krepakova, 9 pp.

RUSSIAN, no per, Doklady Akad. Nauk, USSR, Vol. XIV, No. 6, 21 Oct 1954, pp 989-992.

SLA Tr R-1007

Sci - Electronics
Jan 58

58, 180

Concentrations of Ions in a Thermally Ionized
Gas as a Function of Pressure, by B. Timan,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII, 1954,
pp 1013-1014.

26,796

SEP 29 1955
AEC Tr 2201
Assoc Tech Sv Tr 3306R

Scientific - Physics

Sep 55 CTS

Polymerization of Tetramethyl-Ethylene at Pressures
of up to 27,500 Atmospheres, by M. G. Gonikberg,
V. P. Butuzov, V. M. Zhulin, 7 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol XCVII, No 6,
1954, pp 1023-1026.

Sci Tr Center RT 3413

Chemistry

36,153

Jun 56 CTS

Interaction of the Globular Proteins
With Phenylalanine and Tyrosine Esters,
by B. A. Talmud, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVII, No 6, 1954, p 1037. CIA D 246069

Def Sci Info Sv
DRB, Canada,
T 184 R

Scientific - Chemistry
CTS 70/Jul 55

25,431

See memo Jul 55/2160

Bazilevich, N. I. and Rodin, L. E.
PERCULARITIES OF THE REDUCED BIOLOGICAL
CYCLE IN ZONES CHARACTERIZED BY VARIOUS
SOILS AND FLORA (Osobennosti Malogo Biologicheskogo
Krugovorota v Razlichnykh Pochvenno-Rastitel'nykh
Zonakh). 1963, 6p. 15 refs. PL-480 Agr.
Order from OTS \$0.50

63-11028

Trans. of Akademiya Nauk SSSR. (Doklady. 1954, v. 97,
no. 6, p. 1061-1064. 92/2582

DESCRIPTORS: *Rhythm (Biology), *Plants (Botany),
*Soils, Ecology, Minerals.

It is shown that the interrelation between vegetation and
soil, in the form of a reduced cycle of the ash and other
elements, has significant differences within differing
natural zones.

(Biological Sciences--Botany, TT, v. 10, no. 3)

63-11028

- I. Title: Biogeocoenosis
- I. Bazilevich, N. I.
- II. Rodin, L. E.
- III. PL-480 Agr (63-11028)
- IV. National Science Foundation, Washington, D. C.

Office of Technical Services

Specificity of Races of Lupin Nodule Bac-
teria, by M. Fedorov and K. Svitych.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXVII,
No 6, 1954, pp 1069-1073.

CSIRO-3099

Sci

Jul 58

68,375

Abstracts of Russian Physical Literature,
102 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, XCIX, Sep 1954-Jan 1955, Encl to
IR-754-55, Hq USAFE, Germany. CIA C 37509

AF 664067

Scientific - Physics
CTS 70/Jul 55

25,254

On a Change of the Boundary Conditions at the Plane
Problem of the Elasticity Theory, by V. Ya.
Natanzon (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 27-29, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Forbidden Ch^r Lines in the Solar Spectrum, 19
A. A. Vinkov, 19

RUSSIAN, thrice-no per, Dok Ak Nauk BSSR, Vol
XCVIII, No 1, 1954, pp 31-33.

Sci (rus) Lib. 55/2565
Def Sci Info Sv
DWB T.152.F

Scientific - Astronomy

Feb 55 CTS/DZK

21, 208

On the Theory of the Hall Effect in Ferronagnetics;
by N. S. Akulov, A. V. Cherenushkina, 4 pp.
UNCLASSIFIED

RUSSIAN, thrice-no per, Dok Ak Nauk, SSSR,
Vol XCVIII, No 1, 1954, pp 35-38.

73,963

Navy Tr 1175/NRL 518

Scientific - Physics
Chemistry

May 55 CTS/DEX

Experimental Study of the Temperature Dependence of
the Intensity of the Stokes' Lines Arising From First
Order Combined Dispersion, by Ya. S. Bobovich, 4 pp.

RUSSIAN, Re per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 39-42.

AEC Tr 2561

Sci - Physics
Nov 56 CTS

40,432

Correlation of the Statistical and Impact Theories
On the Width of Spectral Lines, by I. I. Sobelman,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 43-45.

ABC Tr 2562
AF 664067 (Abstract)
CIA C 37509

Sci - Physics
Nov 56 CTB

40, 434

(FDD 25851)

Dependence of a Brightness of Light Flashes Upon
Their Duration, by A. V. Luizov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCVIII, No 1, Moscow, Sep 1954, pp 55-57.

CIA/FDD/U-7900

USSR

Sci - Biology, biochemistry

Feb 1956 CTS

32,377

Investigation of the Width of Spectral Lines in
an Arc Source of Light, by A. Ya. Vyatsky, I. M.
Nagibina. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 1, 1954, pp 59-62.

CTF-1290B

Sci - Astron: Phys
Sep 59

96,652

Influence of Chrome Upon the Binding Forces of the
Crystals of the Alpha Iron, by V. K. Kriskaya,
B. E. Kurdyumov, T. I. Stelleskaya (abstract)

RUSSIAN, hrice-mo per, Dok Ak Nauk , Vol XCVIII,
1954, pp 63-66, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

61-25571

Putokhin, N. I. and Yakovlev, V. I.
THE REACTION OF DIAZOTIZATION OF
2-THIENYLAMINE AND THE AZO COMPOUNDS OF
THE THIOPHENE SERIES (Reaktsiya Diazotirovaniya
2-Tienilamina i Azosocedineniya Tiofenovogo Ryada) tr.
by G. Belkov. 1961, 7p. NRCC Technical trans. 972.
Order from NRCC \$0.50 NRCC C-3733

I. Putokhin, N. I.
II. Yakovlev, V. I.
III. NRCC TT-972
IV. NRCC C-3733
V. National Research Council
of Canada

Trans. of Akad[emiya] Nauk SSSR. (Doklady, 1954,
v. 98, no. 1, p. 89-91.

DESCRIPTORS: *Dyes, Synthesis, *Thiophenes,
*Amines, *Azo compounds, Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 3)

Office of Technical Services

Optical Investigation of Adsorption and Surface
Condensation of Vapors Near Saturation, by B. V.
Deryagin, Z. M. Zorin, 4 pp.

Full or

RUSSIAN, ~~see~~ thrice-no per, Dok Ak Nauk SSSR, Vol
XCVIII, No 1, 1954, pp 93-96.

NLL Ref: 5828.4F (12875)

Heavy Tr No 1359/NRL 569

CT "22" 40, 282

Sci - Physics
Oct 1956 CTS/dex

Thermochemical Study of the Structure of Dilute
Aqueous Solutions of Uranyl Chloride and Nitrate, by
I. I. Lipilina, O. Ya. Samoylov, 10 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 99-102. 9220566
AEC-Tr-6265

Sci-Mat & Met
Mar 64

252,229

Mechanism of Adsorption of Acids by Active Carbon
From Non-Aqueous Solutions, by D. M. Strazhesko et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 1,
1954, pp 107-110.

Co-Op Tr Sch 216
\$1.125. (45.00.)

Sci - Chemistry

39,702

(FDD 24836)

Antimicrobial Composition of Phycocyanin, by N. M.
Sisakyan, E. N. Bexinger, F. R. Kivkutsan, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, No 1, Moscow, 1 Sep 1954. pp 111-114.

CIA/FDD/U-7538

USSR

Sci - Chemistry, photosynthesis

29,684

Ultimate Shearing Stress and Internal Friction
in De-aired Clay, by P. P. Budnikov,
I. A. Alperovich, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, No 1, 1954, pp 115-118.

26,759

111 10609
Sci Mu Lib No 55/1318

Scientific - Physics

Sep 55 CTS

Inhibition of Photosynthesis by Oxygen, by I. Y.
Shlyapintokh, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 141-144.

SLA Tr R-1317

Sci

Jun 58

65,844

Euphausiids of the Sea of Japan Feeding on the
Copepoda, by L. A. Ponomareva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XVIII,
No 1, 1954, pp 153-154.

Dept of Interior
Q11 B7C No 40

Sci - Biol

215,910

Oct 62

~~(KRMX25894)~~
(FDD 25894)

The Determination of the Resultant Mechanical Processes Connected With Cardiac Activity and the Movement of Blood in the Vessels, by Ye. B. Babskiy, I. T. Akulinichev, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII, No 1, Moscow, Sep 1954, pp 159-162.

CIA/FDD/U-7901

33,077

USSR

SCI - Medicine, cardiovascular system

A New Species of Dactylogyrus From the Gills
of the Amur Hypophthalmichthys Molitrix, by
A. Kh. Akhmerov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 1,
1964, pp 167-168.

1964

Virginia Inst of
Marine Science
(Loan)

Sci
Sept 64

Effective Solution of Linear Approximation
Problems for Processes With Random, Stationary
 n -th Increments, ~~Suppl.~~ by A. M. Yaglom, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVIII,
No 2, 1954, pp 189-192.

Morris D. Friedman

\$3.00

Sci - Physics; Mathematics

38,250

Threshold Duration of Obscuration of a
Point-Source of Light, by K. M. Bulanova,
A. Y. Izizov.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol
XCVIII, No 2, 1954, pp 205-206. C7AD177662

NIN 5-43
Def Sci Info Sv
INB T.160.R

Scientific - Physics

7 Aug 54 3717/APL T914
Feb 55 CTS/DEK

21,199

Discovery of an Innercrystalline Interior Absorption
in Aluminum Alloys by Means of the Method of
Microhardness, by V. I. Archarov, I. P. Berenova,
N. A. Kozina (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 207-209, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

On the Determination of the Number of Vacancies
and the Energy of Vacancy Formation in Metals and
Alloys, by S. S. Gertsikhan, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XXVIII, USSR, 1954, pp 211-213.

REC-100
AND Tr 2105

CIR/FDD/X-1984

Scientific - Physics

CTS 67/Apr 55

23,011

Influence of Alloying Additions Upon the Temperature
Dependence of the Shear Modulus of Iron, by N. S.
Rysina, B. N. Finkelstei~~n~~ (abstract

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 215-217, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Differential-Thermal Investigation of the
Formation of Complexes of Urea With n-Paraffins,
by ~~XXXXXXXXXXXX~~ A. V. Topchyev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, 1954, pp 223-226.

Assoc Tech Sv RJ-220

\$7.60

TPH37116
TIL-T-4625

Scientific - Chemistry
CIS 73/Oct 1955

27,501

On the Relation Between the Ratio of the Heat
of Fusion and the Atomic Number of the Elements,
by A. A. Bochvar, G. M. Kuznetsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 2, 1954, p 227.

OT/1235

Sci Ma Lib Tr 55/0800

25,169

AERE 505

Scientific - Nuclear Physics

1
Jun 55 CTS

Exchange and geological preservation of the
oxygen of solid carbonates in aqueous solutions,
by A. Trofimov, 11 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 98, no 2,
p 237-40, 1954.

9847-917
SLA R-3611

Sci

98 434

Aug 59

62-13916

Plaksin, I. N. and Beasonov, S. V.
ABSORPTION OF OXYGEN IN SULPHIDE SUS-
PENSIONS (Pogloshchenie Kisloroda v Sul'fidnykh Sus-
penziyakh). Dec 61 [5]p. 1 ref. RTS 1931.
Order from OTS or SLA \$1. 10 62-13916

Trans. of Akademiya Nauk SSSR, (Doklady) 1954,
v. 98, no. 2, p. 251-252.

DESCRIPTORS: *Sulfides, *Solutions, *Oxygen,
*Absorption, Pyrites, Minerals, Flotation

Experiments show that oxygen is absorbed by the
sulfides to a significant extent even when the sulfide
pulp is considerably diluted. The oxygen is absorbed
by pyrites and galena principally at the first instant
of contact, whereas chalcopryrite absorbs the oxygen
gradually. These peculiarities of the minerals with
regard to the action of oxygen agree with the influence
(Metallurgy, TT, v. 7, no. 8) (over)

I. Plaksin, I. N.
II. Beasonov, S. V.
III. RTS-1931
IV. Department of Scientific
and Industrial Research
(G. Brit.)

201386

Office of Technical Services

Peculiarities in the Diurnal Rhythm of Engorged
Ixodes Persulcatus Dropping From Cows, by Yu. S.
Balashov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVIII,
No 2, 1954, pp 317-319.

Sci Tr Center RT-3736

36,119

Scientific - Biology

Jun 56/dex

On Some Coupled (anal) Integral Equations.
by ~~XXXXXXXXXXXX~~ A. I. Zhelyezher, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR.
Vol XXVIII, 1954, p 333-336.

Morris D. Friedman

\$3.00

See memo Ref-5 6/0523

Scientific - Physics

CTS 67/APR 55

22,948

Improvement of the First Approximation in
the Studying Self-Oscillations of High Order
Nonlinear Systems, by E. P. Popov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XXVIII, 1954, p 345. ~~347~~

Morris D. Friedman P-115
\$3.50

409311

USSR

Scientific - Physics

CIS 65/Feb 55

21,317

On the Stability and the Sloping Flowing Through
of Two-Parametric Whirl Paths, by Bl. Dolapsiyev
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 349-352, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

On the Nature of the Discrete Sources of Cosmic
Radio Emission, by I. S. Shkolovskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol
XCVIII, No 3, 1954, pp 353-356. CIA/D166673

Def Sci Info Sv
DIB T.163.R

Astronomy

Scientific ~~Electronics~~ Feb 55 CTS/22

21,186

DDC

+

Calorimetric Measurements of the Activity and Number of
Gamma-Quanta per Decay Act, by K. K. Aglintsev,
E. A. Khol'nova, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 357-360. 9218769

AEC-UCRL-Tr-1002(L)

Sci-Nucl Sci
Feb 64

248,918

The Renormalization of Mass and Charge in the
Covariant Equations of the Quantum Theory of the
Field, by A. D. Galanin, B. L. Ioffe, I. Ya.
Pomeranchuk (abstract)

RUSSIAN, thrice-monthly, Dok Ak Nauk, Vol XCVIII,
1954, pp 361-364, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

Experimental Investigation of the Reflecting Power
of Coloured Cloudy Media, by A. A. Ilygina, G. B.
Rozenberg (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 365-368, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

(FDD 25080)

Polarization of Very Fast Neutrons During Scattering of
Heavy Nuclei, by I. I. Levinton, 8 pp.

RUSSIAN, thrice mo par, Dok Ak Nauk SSSR, Vol XCVIII,
No 3, Moscow, 21 Sep 1954, pp 373-376.

CIA/FDD/U-7926

A. E. R. E. 5-78

Harwell

USSR

Sci - Physics, nuclear physics

33,371

S-5270

(DC-2943).

The Problem of Experimental Verification of
the Theory of Crystal Growth, by Yu. A. Krishtal,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Novaya Seriya,
Vol XCVIII, No 3, 1954, Moscow, pp 395-397.

JPRS-L-1787-D

Sci - Phys, Crystal Growth
Aug 59

93,345

A Statistical Determination of ~~the~~ the Basic
Structural Amplitudes, by I. M. Rumanova

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol ~~XVIII~~, No 3, 1954, pp 399-402.

Navy Tr 1275/NRL 541

Scientific - Physics
Jan 56 CTS/dex

30,697

NEL 1. 1. 1954

The Structure of Drying Gels, Their Pores and
Particles, by A. V. Kiselev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 3, 1954, pp 431-434.

Sci Tr Center
RT-2922

Sci - Chemistry
Jan 1956/CPS No 77

30,539

Phenomena of Destruction of the Passive State
in Stainless Steels in Highly Oxidizing Solutions,
by N. D. Tomashov, G. P. Chernova. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XL XCVIII,
No 3, 1954, pp 435-438. 967 663

Navy 2254/REL 734

Sci - Min/met
Aug 59

CIA/FDD X-3460

95, 663

Gonikberg, M.G., Gavrilova, A.E., and Kazanskiĭ, B.A.
THERMAL AND CATALYTIC CRACKING OF PARAF-
FINS AT HIGH PRESSURE. 7 p. 8 refs. MTWL: 664.
Order from OTS or ETC \$1.55 61-17196

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 98, no. 3, p. 483-486.

DESCRIPTORS: High pressure research, High tempe-
rature research, Decomposition, *Hexanes,
Alumina-silica catalysts.

61-17196

- I. Gonikberg, M.G.
- II. Gavrilova, A.E.
- III. Kazanskiĭ, B.A.
- IV. MTWL-664
- V. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

61-22546

Mashkovtsev, M. F., Tasapkova, N. A., and
Moiseeva, M. E.
DESTRUCTION OF NICOTINE BY THE TISSUES OF
THE TOBACCO PLANT DURING THE AUTOLYSIS
AND HUNGER METABOLISM. [1962] 10p.

Order from K-H \$12.50 K-H 3390-d

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 98 [no. 3] p. 491-494.

DESCRIPTORS: *Nicotine, Decomposition, *Tissues
(Biology), *Tobacco, *Metabolism, Hunger.

I. Mashkovtsev, M. F.
II. Tasapkova, N. A.
III. Moiseeva, M. E.
IV. K-H-3390-d
V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Agriculture--Hemp Cultivation, T L, v. 5, no. 8)

62-25644

Strogonov, B. P. and Ivanitskaya, E. F.

EFFECT OF SOIL SALINITY ON THE STABILITY OF
THE CHLOROPHYLL-CHLOROPLAST PROTEINS LINK
IN COTTON (Vliyaniye Pochvennogo Zasoleniya na
Prochnost' Svyazi Khlorofilla s Belkami Khloroplastov u
Khlopchatnika) tr. by M. Slade. [1962] [9]p. (foreign
text included) 8 refs. [CSIRO] Trans. no. 5471.
Order from OTS or SLA \$1.10 62-25644

- I. Strogonov, B. P.
- II. Ivanitskaya, E. F.
- III. CSIRO Trans-5471
- IV. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Trans. of Akademiya Nauk SSSR, Doklady, 1954, v. 98,
no. 3, p. 497-499.

DESCRIPTORS: *Soil, *Salinity, Chlorophylls, Proteins,
*Cotton, Dehydration, Plants, Injuries.

Salt additions to the plants in a cotton field had a mass
effect, but this effect was not uniform; it was concen-
trated in discrete portions of the field, and in the indi-
vidual rows injured plants alternated with plants that
(Agriculture -- Plant Cultivation, TT, v. 9, no. 7)(over)

Office of Technical Services

AEC (LA-tr-71-67) PRESERVATION OF CONDITIONALLY
PERIODIC MOVEMENTS WITH SMALL CHANGE IN THE HAM-
ILTON FUNCTION. Kolmogorov, A. N. Translated by Helen
Dahlby (Los Alamos Scientific Lab., N. Mex.), from Dokl.
Akad. Nauk SSSR; 98: 527-30(1954). 7p.

mathematics; physics; translations

ND-34 P RC

Unlimited

On the Transformation of a Monocyclic Sequence
into a Recurrent, by V. I. Shestakov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XCVIII,
No 4, 1954, pp 541-544.

MDF 8-107

Sci - *Electron*
Jul 61

/61,386

Self Oscillations of High Order Nonlinear Systems
With Slowly Varying External Action, by E. P.
Popov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol. XXVIII, 1954, p 545. 547

Morris D. Friedman *P-116*
\$3.00

4043007

USSR

Scientific - Physics

CTB 65/Feb 55

21,310

Determination of the Filtration Velocity of a
Liquid at the Colmation Process, by Yu. M. Tsechtman
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 549-552, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

The Operators of the True Particles and a Precised
Determination of the T-Product, by B. L. Bong-
Bruyevick (abstract) ck

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 561-563, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Surface Tension of Solutions of Isotopes of Helium,
by B. N. Eselson, N. G. Bereznyak, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXVIII, 1951,
pp 569-571.

ACC Tr 3261

AF 664067

C.A.C-37569

Sol - Chem

Sol Sol

72, 716

The Movement of Positive Ions in Their Own Gas, by
Yu. M. Kagan, V. I. Parul, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,
pp 573-8.

ABO for 2564
~~AP-41-2564 (Statement)~~
~~CIA-41-2564~~

Sci - Physics
Nov 56 OTH

40,436

Investigation of Thin Films With Variable Composition of the System Mg-Sb by I. V. Mosan
(abstract)

RUSSIAN, no per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 579-582, Encl to IR-754-55, Germany.
CIA C 37509

111C/BAL-TR-387-70 AF 664067

NTC 71-11786 -- 20L 11786-579-583

Accelerated Graphitization of White Cast
Iron With Increased Chromium Content, by
N. A. Krishtal,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, 1954, pp 503-504,

23,609

Butcher Tr No 3446
#1.75

Scientific - Min/Metals

May 55 CTS

Precision Determination of the Parameters of the
Unit Cell in Crystals of the Triclinic System,
by A. F. Yevinsh, Ya. K. Ozol, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XCVIII, No 4,
1954, pp 589-591.

Sci Mu Lib Tr 55/0924

25,179

Scientific - Physics

Jul 55 CTS

Shilov, A. Ye.
THE KINETICS AND MECHANISM OF THE PRI-
MARY DECOMPOSITION OF ALLYL CHLORIDE
(Kinetika i Mekhanizm Pervichnogo Raspada
Khloristogo Allila). Jan 61 [9]p. 5 refs. RTS 1706.
Order from LC or SLA mi\$1.80, ph\$1.80 61-15384

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 98, no. 4, p. 601-604.

148,744

61-15384

1. Allyl compounds--
Decomposition
2. Chlorides--Decomposition
 - I. Shilov, A. Ye.
 - II. RTS-1706
- III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

(Chemistry-Physical, TT, v. 5, no. 7)

Electrodeposition of Chromium, by A. T. Vagranyan,
D. N. Usachev,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, 1954, pp 605-607.

22,165

Brutcher Tr No 3441
\$2.90

Scientific - Min/Metals

Apr
May 55 CTS

Investigation of the Absorption Spectrum of Primary
Centers in the Grains of Photographic Emulsions, by
E. A. Kirillov and E. A. Nesterovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 4,
1954, pp 609, 610.

CIA/X-1803

USSR

Sci - Physics

26, 339

Cryoscopic Titration, by M. Usanovich, T. Sumarokova,
Yu. Nevskaya, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,
1954, pp 617-618.

AEC UCRL-Tr-573(L)

Sci - Chem
21 Feb 61

140,915

New Data on the Origin of Ukrainian Loess, by A.
Ryabchenkov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 4,
pp 633-636, 1954.

CSIRO-3140

Sci - Chem
Aug 58

70,699

Polygraphic Investigation of Sulfuric Acid
Solution of Titanium and Niobium, by E. I. Krylov,
D. S. Kolevator, V. A. Samarina, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCVIII, 1954, pp 593-595.

AEC Tr 3040

Sci - Chem
Oct 57

54, 286

Morphological Peculiarities of Some Accessory
Minerals of Igneous Rocks and Their Significance
fro the Petrography of Sedimentary Rocks, by
V. A. Vakhrushev,

RUSSIAN, per, Do Ak Nauk SSSR, Vol XCVIII, No 4,
1954, pp 641-644.

Assoc Tech Sv RJ-736
\$6.60

Sci - Geophysics
Aug 57

51,735

(FDD 25850)

The Determination of Nucleic Acids in the Fibers of
the Skeletal Musculature During Regeneration, by YE
Ye. V. Dmitriyeva, 7 pp.

RUSSIAN, thrice-~~no~~ per, Dok Ak Nauk SSSR, Vol XCVIII,
No 4, Moscow, 1 Oct 1954, pp 653-656.

CIA/FDD/U-7858

USSR

Sci - Medicine, biochemistry

Feb 1956 CTB

32,341

V
(FDD 25893)

The Histo-Cytological Changes in a Wound at a Different Level of Basic Metabolism, by G. V. Khomullo, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII No 4, Moscow, 1 Oct 1954, pp 685-688.

CIA/FDD/U-7859

USSR

Sci - Medicine, cytology

Feb 1956 CTS

+

Some Criteria for the Completeness of a System
of Characteristic and Adjoint Vectors of Linear
Operations in Hilbert Space, by M.A. Naimark.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 98,
No 5, 1954, pp 727-730. P911129266

ANEC ANL Lr 365

Sci/Mathematical Sci
Oct 66

Hydromechanics, (The Approximate Determination
of the Vortex Resistance), by Bl. Dolapchev,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 5,
1954, pp 743-746.

CIA/FDD 2-3787

Sci - ^{Large} Physics
Nov 59

109,233

Quantum Theory of the Magnetostriction of Ferro-
Magnetic Monocrystals, by A. A. Gusev (abstract), 6/1

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 749-752, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

RT 3 418

Infrared Radiation of a High-Frequency Discharge
of Carbon Monoxide and Carbon Dioxide, by N. Ya.
Dodonova (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 753-756, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

See Serial 361.
5/1/55

THE Tenth
T-535

Some Regularities in the Formation of the Chemical
Composition of Atmospheric Precipitation, by
P. P. Voronkov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 1954, Vol XCVIII,
No 5, pp 765-768.

SLA 59-15448

Sci

Oct 59

Vol 2, No 3

79,928

Energy Distribution in the Luminosity Spectrum
of the Night Sky, by E. N. Pavlova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXVIII
XCVIII, No 5, 1954, pp 769-771.

ATIC F-TS-8705/III

Sci - Astronomy

33,245

Apr 56

*AF...
-AC TASS... 15 June 56*

On the Problem of the Mechanism of the Artificial
Aging of Aluminum Alloys, by V. M. Berezianin
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk Vol XCVIII, 1954,
pp 773-775, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

Influence of Aluminum Upon the Greatness of the
Interatomic Bindings of Silver, by B. N. Finkelsteyn,
A. I. Yamskikova (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII, 1954,
pp 781-782, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

61-15800

Conjugate Reactions of the Addition of Halogens to
Olefins, by A. I. Titov, F. L. Maklyuev,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVIII,
No 5, 1954, pp 795-798.

Assoc Tech Sv
RJ-350

Sci - Chemistry

Aug 1956

37,003

\$5.25

The Influence of Nucleic Acids on the Respiration of
Cells, by O. P. Chepinoga, N. I. Kerova, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol ~~XXXXXX~~ ^{XCVIII}
No 5, 1954, pp 819-820.

Sci Tr Center RT 3106

SCIENTIFIC - Chemistry

Feb 56
31,037

A New Biological Type of Bacteria With a
Predatory Mode of Nutrition, by B. V. Perfil'ev,
12 pp.

xlviii

№ 4, No 5,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 98(5),
1954, pp 845-848.

Sci Mus Lib Tr 55/2722

Sci - Biology

30,860

The Variation of Multivalent Functions, by S. A. Gel'fer.

RUSSIAN, per, Dokl Akad Nauk ~~USSR~~ USSR, Vol ~~EXCVIII~~ EXCVIII, 1954,
pp 885-888.

Amer Math Soc

Sci - Math & Data Pro
Sept 63

344,237

Defects of Meromorphic Functions, by A. A. Gol'dberg,

RUSSIAN, ~~1954~~ Vol. 11, No. 1, 1954, pp 893-895.

Amur Math Soc

Sci-Math

Jan 64

246, 440

The Solution of the Problem of the Filtration of
a Liquid Mixture With suspended Solid Particles
at an Output Variable by Time and at Constant
Decrease in Pressure, by Yu. M. Tsechtman (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 917-920, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

On the Carrying Capacity of Primarily Anisotropic
Shells, by M. Ts. Mikaladze (Abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 921-923, Encl to IR-754-55, Germany.
CIA C 37509

AF 664067

On the Excitation of Nonideal Radio Wave
Conductors, by V. A. Ilyin (abstract

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 925-928, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067

The Hyperfine Structure of the Lines of the
Paramagnetic Resonance in Solutions of Mn^{++} and
 VO^{++} (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCVIII,
1954, pp 929-931, Encl to IR-754-55, Germany.

CIA C 37509

AF 664067